

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (currently amended): A code division multiple access (CDMA) receiving apparatus for receiving data of a plurality of service types, which comprises a plurality of reception processing blocks for carrying out reception processing for said data, wherein said data are allocated to said reception processing blocks, depending upon said service types.
2. (original): The CDMA receiving apparatus according to claim 1, wherein said service types of data include packet data, high-speed data, voice data and low-speed data.
3. (currently amended): The CDMA receiving apparatus according to claim 1, wherein each of said reception processing blocks contains searcher means for finding out a reception timing of a CDMA signal having a high correlation value with respect to a pseudo random noise (PN) code in the received CDMA signal and said received CDMA signal is allocated to one of the reception processing blocks, depending upon a result of the search by said searcher means.
4. (original): The CDMA receiving apparatus according to claim 2, wherein a data field and a control field of said voice data and low-speed data are demodulated immediately so as to

output a detection signal for each of the paths and carry out RAKE-combining for combining the detection signal of each of the paths.

5. (original): The CDMA receiving apparatus according to claim 2, wherein data field of said packet data or high-speed data are stored in a data field memory and are demodulated successively according to path information stored in a path information memory.

6. (original): The CDMA receiving apparatus according to claim 5, which further comprises: decoding means for decoding a received signal outputted from said plurality of said reception processing blocks; and a plurality of memories, each of which is connected between said decoding means and RAKE combining means in each of said reception processing blocks, wherein said decoding means reads out said received signal having a high priority successively from said memories so as to carry out decoding processing.

7. (original): The CDMA receiving apparatus according to claim 5, wherein said packet data or high speed data are demodulated, when a data field finger unit of reception processing block of said packet data or high speed data is vacant.

8. (original): The CDMA receiving apparatus according to claim 7, wherein voice data or low-speed data from another user are allocated to one of said reception processing blocks of which finger unit is vacant.

9. (currently amended): A code division multiple access (CDMA) receiving method for receiving data of a plurality of service types, which comprises the steps of: storing received CDMA data signal; and allocating said received CDMA signal to one of reception processing blocks, depending on the service type.

10. (original): The CDMA receiving method according to claim 9, wherein said service types of data include at least packet data, high-speed data, voice data and low-speed data.

11. (currently amended): The CDMA receiving method according to claim 9, which further comprises the steps of: finding out by using searcher means a reception timing of a CDMA signal having a high correlation value with respect to a pseudo random noise (PN) code in the inputted CDMA signal; and allocating data to one of said reception processing blocks on the basis of a result of the search by said searcher means.

12. (original): The CDMA receiving method according to claim 10, which further comprises the steps of: demodulating data field and control field of said voice data and low-speed data immediately so as to output a detection signal for each of the paths and carry out RAKE combining for combining the detection signal of each of the paths.

13. (original): The CDMA receiving apparatus according to claim 10, which further comprises the steps of: storing data field of said packet data or high-speed data in a memory for data field; and demodulating successively said data field according to path information stored in a memory for path information.

14. (original): The CDMA receiving method according to claim 13, which further comprises the steps of: storing a received signal in memories, each of which is connected between decoding means and RAKE combining means in each of reception processing blocks, reading out said received signal having a high priority successively from said memories; and decoding said received signal outputted from said plurality of said reception processing blocks.

15. (original): The CDMA receiving method according to claim 13, which further comprises the steps of: demodulating said packet data or high speed data, when a data field finger unit of reception processing block of said packet data or high speed data is vacant.

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16. (original): The CDMA receiving method according to claim 15, which further comprises the steps of: allocating voice data or low-speed data from another user to one of said reception processing blocks of which finger unit is vacant.